

APPENDIX E

Class `HttpsURLConnection`

[illegible]

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```
public class HttpsURLConnection
    extends java.net.URLStreamHandler
```

The class `HttpsURLConnection` provides a stream protocol handler for the `https` protocol by implementing SSL (Secure Sockets Layer) 3.0.

In most cases, an instance of a `HttpsURLConnection` subclass is not created directly by an application. Rather, the first time a protocol name is encountered when constructing a URL, the appropriate stream protocol handler is automatically loaded.

Constructor Summary**`HttpsURLConnection()`**Creates a new `HttpsURLConnection` instance with the default debug flag.**`HttpsURLConnection(boolean dbg)`**Creates a new `HttpsURLConnection` instance with a specified debug flag.**Method Summary**`java.net.URLConnection` **`openConnection(java.net.URL u)`**

Opens a connection to the object referenced by the URL argument.

Methods inherited from class `java.net.URLStreamHandler``parseURL`, `setURL`, `toExternalForm`**Methods inherited from class `java.lang.Object`**`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`**Constructor Detail**

`HttpsURLConnection`

```
public HttpsURLConnection()
```

Creates a new `HttpsURLConnection` instance with the default debug flag.

`HttpsURLConnection`

```
public HttpsURLConnection(boolean dbg)
```

Creates a new `HttpsURLConnection` instance with a specified debug flag.

Parameters:

dbg - the boolean value of turning the debug option ON/OFF.

Method Detail

`openConnection`

```
public java.net.URLConnection openConnection(java.net.URL u)  
throws java.io.IOException
```

Opens a connection to the object referenced by the URL argument.

Overrides:

`openConnection` in class `java.net.URLStreamHandler`

Parameters:

u - the URL that this connects to.

Returns:

a `URLConnection` object for the URL.

Throws:

`java.io.IOException` - if an I/O error occurs while opening the connection.

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